

**Descriptive Abstract**

The invention relates to a dispensing device for droplets comprising a first channel (8, 10), known as main channel, for circulation of a first fluid flow, a second channel (12, 13) for circulation of fluid, which forms with the first channel an intersection zone (27) and terminates in an ejection orifice (20), means (4) for measuring a physical property particles or cells in the first channel (18), and means for engendering a pressure wave in the second channel (12, 13).